

Listă lucrări

conf. dr. ing. MIHAI NEDELCU

Articole Publicate în Reviste Internaționale

1. **Nedelcu M.**, Hortensiu L. Cucu, *Buckling modes identification from FEA of thin-walled members using only GBT cross-sectional deformation modes*, Thin-Walled Structures, Article in Press, 2013, <http://dx.doi.org/10.1016/j.tws.2013.06.007>, Scor relativ de influență: 1.409
2. **Nedelcu M.**, *GBT-based buckling mode decomposition from Finite Element Analysis of thin-walled members*, Thin-Walled Structures, vol. 54, pag. 156-163, Elsevier Science Publisher, UK, 2012, <http://dx.doi.org/10.1016/j.tws.2012.02.009>
3. **Nedelcu M.**, *GBT formulation to analyse the buckling behaviour of isotropic conical shells*, Thin-Walled Structures, vol. 49, nr.7, pag. 812-818, Elsevier Science Publisher, UK, 2011, [doi:10.1016/j.tws.2011.02.006](http://dx.doi.org/10.1016/j.tws.2011.02.006)
4. **Nedelcu M.**, *GBT formulation to analyse the behaviour of thin-walled members with variable cross-section*, Thin-Walled Structures, vol. 48, nr.8, pag. 629-638, Elsevier Science Publisher, UK, 2010, <http://dx.doi.org/10.1016/j.tws.2010.03.001>

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1. **Nedelcu M.**, Emil Frățiță, Mihai Iliescu, *Experimental modal testing of a concrete bridge*, Acta Tech. Napocensis: Applied Mathematics and Mechanics, vol. 55, nr. 3, UTCN, Cluj-Napoca, ISSN 121-5872, 2012
2. **Nedelcu M.**, Paula Groza, Hortensiu L. Cucu, *The estimation of dynamic properties of a fixed beam using experimental modal testing*, Acta Tech. Napocensis: Applied Mathematics and Mechanics, vol. 55, nr. 3, UTCN, Cluj-Napoca, ISSN 121-5872, 2012
3. **Nedelcu M.**, *GBT-based Analysis of Tapered Thin-Walled Members: Recent Developments*, Acta Tech. Napocensis: Civil Eng. & Arch., vol. 54, nr.1, UTCN, Cluj-Napoca, 2011, http://constructii.utcluj.ro/ActaCivilEng/download/atn/ATN2011_4.pdf
4. Olariu I., **Nedelcu M.** ș.a., *Sistem de izolare de tip cinematic-disipativ pentru planșeele construcțiilor (i)*, Acta Technica Napocensis, UTCN, Cluj-Napoca, nr.44/2001
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1. **Nedelcu M.**, Popa A.G., Cucu H.L., Chira N., *Vibration mode decomposition from finite element analysis of thin-walled members with holes*, 11th International Conference on Vibration Problems, Lisbon, Portugal, 9-12 September 2013
2. **Nedelcu M.**, Chira N., Cucu H.L., Popa A.G., *Buckling mode decomposition of thin-walled members with holes*, 5th International Conference on Structural Engineering, Mechanics and Computation, Cape Town, South Africa, 2-4 September 2013
3. **Nedelcu M.**, Moen, C.D., *Automated elastic buckling mode identification of thin-walled steel columns with perforations employing a generalized beam theory approach*, Engineering Mechanics Institute Conference (EMI2013), Evanston, IL, USA, 4-7 August 2013
4. **Nedelcu M.**, Chira N., Cucu H.L., *Vibration mode decomposition from finite element analysis of axially compressed thin-walled members*, Design Fabrication and Economy of Metal Structures 2013, Miskolc, Hungary, 24-26 Aprilie, 2013
5. **Nedelcu M.**, Cucu H.L., *Buckling modes identification from FEA of thin-walled members using only GBT cross-sectional deformation modes*, 6th International Conference on Coupled Instabilities in Metal Structures, Glasgow, Scotland, UK, 3-5 December, 2012
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8. Chiorean C.G., Tarta G., Barsan G.M., Gobesz F.Z., **Nedelcu M.**, *Computer based nonlinear analysis method for seismic performance assesment of 3D frameworks*, International Conference STESSA, Chile, 2012
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15. **Nedelcu M.** *Applications of the generalized beam theory*, Sesiunea Aniversară a Facultății de Construcții din Cluj-Napoca - C55 / Conferința Internațională "Construcții 2008" - C2008, Cluj-Napoca, Romania, 9-10 Mai 2008
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